



The mmp100dn is a multi-megapixel video surveillance camera with built-in stand-alone video analytics and Picture-in-Picture (PIP) capabilities.

The mmp100dn analyzes the captured video signal to send alarms and notify of people, vehicles and objects that cross a perimeter, enter a pre-defined region, are left behind, or are removed from a scene. Users can set customizable rules and criteria to define the perimeter and what to detect.

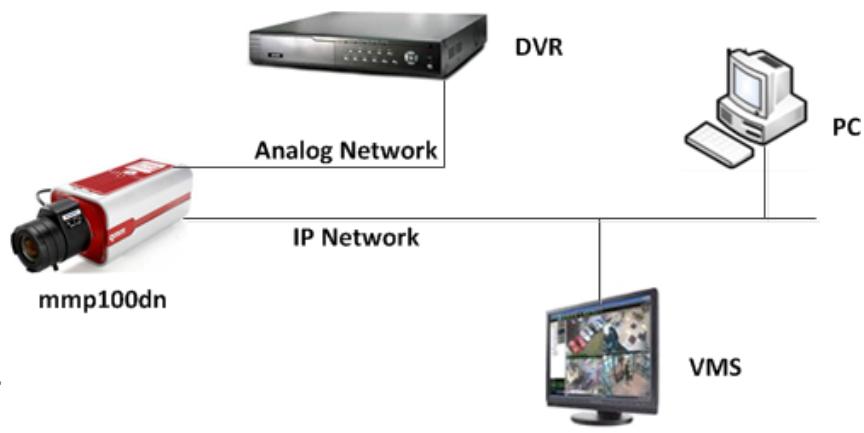
Upon detection, the mmp100dn camera digitally zooms in on the detected object and displays it in the PIP window. You can configure what to display during detection, such as first, last or all detected objects.

The mmp100dn includes an Image Quality Enhancer that optimizes the captured video signal. The camera is able to zoom-in (at up to 45x) to focus on details, while maintaining the Field of View (FOV) in the background. It achieves maximum detection capabilities, while maintaining an extremely low false alarm rate.

Part of the ioimage ioicam intelligent video cameras series, the mmp100dn features analog and IP streaming video outputs, which enable hybrid connectivity to both legacy and IP-based CCTV networks. The camera can be configured via a standard web browser and takes less than five minutes to setup.

Key Features

- Fully integrated and self-sustained video analysis and encoding - no additional hardware or software required
- DSP-based real-time video analysis
- High probability of detection, low false alarm rate
- Five-minute setup time
- Multiple detection rules
- Automatic actions can be triggered upon detection
- Integrated scheduler
- Hybrid video output (analog and IP streaming)
- Integrates with existing analog equipment (analog monitors, DVR) for retrofitting existing installations
- Predefined scene presets on the analog video output and bi-directional events via I/O interfaces
- Viewing formats: single window, PIP, PIP (swapped), side-by-side
- 1/2-inch, 3-megapixel CMOS sensor
- Color/Black & White Hybrid Analog/ IP camera
- Automatic image quality enhancer for best detection
- Auto/manual IR cut filter
- Backlight compensation
- Auto/manual white balance
- Automatic gain control (AGC)/ Automatic exposure
- Auto DC iris control
- NTSC or PAL
- CS lens mount



Detection Types

- Intrusion detection:
 - Regional entrance
 - Tripwire
 - Fence trespassing
- Unattended baggage detection
- Object removal detection
- Stopped vehicle detection
- Loitering detection
- Camera tampering detection
- Autonomous object tracking



Specifications

Channels	
Number of Intelligent Video Analysis Channels	1
Analog Video Output	
TV Standard	Composite 1Vp-p – NTSC or PAL
Picture-in-Picture	Supported
Physical Connector	1x BNC 75Ω
Digital Video Output	
IP Video Streaming	MJPEG and MPEG-4 SP (Two separate, independent, configurable video streams)
Maximum Resolution per Channel	Channel 1: 4CIF (including PIP) Channel 2: 2CIF
Frame Rate (MPEG-4 SP)	Up to full frame rate
Bit Rate	CBR (128Kbps - 4Mbps), VBR
Network	
Ethernet (IEEE 802.3/802.3u)	1x Ethernet RJ45 Interface
Services and Protocols	TCP/IP, UDP/IP, HTTP, SMTP, DHCP, DNS, SNTP
Video Streaming	RTP/RTSP
Alarms/Commands	TCP/IP, HTTP
I/O Interface	
IN - Alarm Input	1 x alarm input (from dry contacts)
OUT - Relay Output	1x relay output (rated load 1A@30VDC)
Power Source	
Voltage	12VDC/24VAC (optional power supply)
802.3af PoE Injector Output Voltage	48VDC, 0.4A
Power Consumption	9W
Physical Dimensions	
Dimensions (mm)	72 x 60 x 149 mm (W x H x D)
Dimensions (inches)	2-13/16 x 2-11/32 x 5-27/32" (W x H x D)
Environmental Specifications	
Operating Temperature	0° to 50°C (32° to 122°F)
Operating Humidity	5% to 95% (non-condensing)
Certifications	
Safety	UL, CE
Electromagnetic Interference (EMC)	FCC 47 CFR Part 15, Subpart B, Class A; CE Class A
Environmental	RoHS